

**WEST**

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**Search Results -**

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l2 same L3	2

Database:

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 US Pre-Grant Publication Full-Text Database  
 JPO Abstracts Database  
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IBM Technical Disclosure Bulletins

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L4

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**Search History**DATE: Monday, September 29, 2003 [Printable Copy](#) [Create Case](#)

**Set Name** **Query**  
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DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

<u>L4</u>	l2 same L3	2	<u>L4</u>
<u>L3</u>	herbicid\$7 or phytotoxi\$7	73593	<u>L3</u>
<u>L2</u>	mrs with (media or medium)	3913	<u>L2</u>
<u>L1</u>	(deman\$1 or man\$1) adj rosola adj sharp\$1	2	<u>L1</u>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 2 of 2 returned.**☐ 1. Document ID: US 20030060369 A1

L1: Entry 1 of 2

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030060369

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030060369 A1

TITLE: Root retardant

PUBLICATION-DATE: March 27, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Johal, Sarjit	Iowa City	IA	US	
Antrim, Richard L	Solon	IA	US	

US-CL-CURRENT: 504/174

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw. Desc	Image										

☐ 2. Document ID: EP 1305397 A2 WO 200210331 A2 AU 200178080 A US 20030060369 A1

L1: Entry 2 of 2

File: DWPI

May 2, 2003

DERWENT-ACC-NO: 2002-227082

DERWENT-WEEK: 200331

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TITLE: Malting composition, useful in producing fermented beverages, e.g. malt liquors, comprises maltable grain and root retardant

INVENTOR: ANTRIM, R L; JOHAL, S

PRIORITY-DATA: 2000US-221830P (July 28, 2000), 2002US-0089496 (May 1, 2002)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1305397 A2	May 2, 2003	E	000	C12C001/047
WO 200210331 A2	February 7, 2002	E	025	C12C001/047
AU 200178080 A	February 13, 2002		000	C12C001/047
US 20030060369 A1	March 27, 2003		000	A01N001/00

INT-CL (IPC): A01 N 1/00; A01 N 37/36; A01 N 63/02; A01 N 65/00; A23 L 1/185; C12 C 1/047

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Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20030060369 A1

L4: Entry 1 of 2

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030060369

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030060369 A1

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PUBLICATION-DATE: March 27, 2003

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US-CL-CURRENT: 504/174

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
Draw Desc	Image									

☐ 2. Document ID: US 5597400 A

L4: Entry 2 of 2

File: USPT

Jan 28, 1997

US-PAT-NO: 5597400

DOCUMENT-IDENTIFIER: US 5597400 A

TITLE: Methods and compositions for enhancing carbon fixation in plants

DATE-ISSUED: January 28, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nonomura; Arthur M.	Litchfield Park	AZ	85340	
Benson; Andrew A.	La Jolla	CA	92037	

US-CL-CURRENT: 71/28; 504/118, 504/148, 504/353, 71/29, 71/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC
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L4: Entry 2 of 2

File: USPT

Jan 28, 1997

DOCUMENT-IDENTIFIER: US 5597400 A

TITLE: Methods and compositions for enhancing carbon fixation in plants

Detailed Description Text (52):

All varieties of hybrid tea roses (*Rosa* spp.) including Rotary Rose, Paul Harris, Miss All-American Beauty, Tropicana, Blue Girl, Angel Face, First Prize, Lowell Thomas, Tiffany, Mr. Lincoln, John F. Kennedy, Joseph's Coat, Peace, and Queen Elizabeth were treated with weekly foliar applications of 10% minimal enhancement methanol medium plus 0.1% pyrethroid insecticide. Preliminary tests with high concentrations of iron showed that 0.9 gm/L FeHEEDTA in methanol was phytotoxic, but 0.08 gm/L in methanol was the maximum concentration tolerated by young rose foliage. A very high C:N ratio was achieved in the final foliar application since no urea was added to the third and last application. When treated with methanol, Rotary Rose, Paul Harris, Miss All-American Beauty, Blue Girl, Tiffany, Mr. Lincoln, John F. Kennedy, Joseph's Coat, Peace, Lowell Thomas and Queen Elizabeth grew to bud and bloom within 62 days of placement in the greenhouse. Treated Angel Face, First Prize and Tropicana required approximately 70 days to reach bud and bloom. In the control greenhouse, all varieties required 75-80 days to achieve bud and bloom maturity. Treated roses showed fuller foliage and blooms than controls. Individual flowers from treated Miss All-American Beauty, for example, showed average live weights of 26 grams each as compared to controls averaging 18 grams for each individual bloom. At the time of first blooms opening, treated Paul Harris plants averaged 8 fully opened flowers. Controls later averaged 4 fully opened flowers upon first break of open flowers. Plants remained healthy and pest-free.